



STEM Careers

Chemical Engineer

Job Description: Apply the principles of Chemistry, Biology, and Physics to help solve problems. These problems include fuels and foods. Additionally, they help to develop safe and sustainable manufacturing.

What do Chemical Engineers do?

- Develop safety procedures for those working with potentially dangerous chemicals.
- Evaluate equipment and processes to ensure compliance with safety and environmental regulations.
- Develop processes to separate components of liquids or gases or to generate electrical currents using controlled chemical processes.
- Conduct research to develop new and improved manufacturing processes.
- Do tests and monitor performance of processes throughout production.

Your Interests:

- Can you perform calculations quickly with great accuracy?
- Do you like to solve logic problems?
- Are you a good problem solver?
- Do you like to do science experiments?

Outlook:

Average Salary - \$43.42 hourly, \$90,300 annually
Projected Job Openings – 1,800 over the next 10 years

Education/Program of Study:

- Bachelor's Degree in Chemical Engineering.
- Some universities offer an accelerated Masters Program which earns students a Bachelors and Masters Degree in 5 years.